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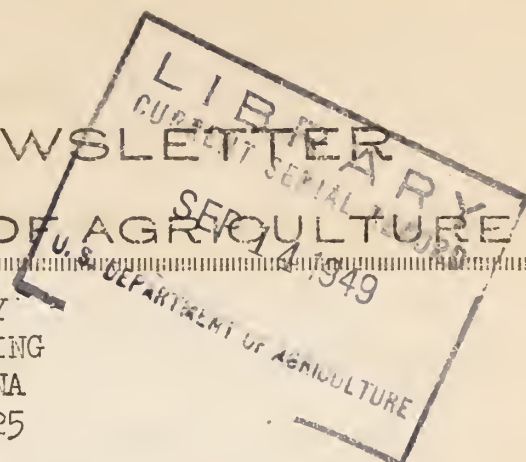




# LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

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"To know how to find in books and journals just the information you need--that is to hold the eel of wisdom by the tail."

--John Cotton Dana.

## NEW BOOKS IN THE LIBRARY

DIAGNOSTIC TECHNIQUES FOR SOILS AND CROPS, by F. E. Bear and others. American Potash Institute, 1948. 308p. 395 B38D

The authors of this book, all eminent scientists in their respective fields, have attempted to bring together in this one volume what is known about diagnosing soil and crop for optimum production. After Dr. Bear's historical introduction are the following papers: Chemical Methods for Assessing Soil Fertility, Correlation of Soil Tests With Crop Response to Added Fertilizers and With Fertilizer Requirement, Operation of a State Soil-Testing Service Laboratory, Operation of an Industrial Service Laboratory for Analyzing Soil and Plant Samples, Plant-Tissue Tests as a Tool in Agronomic Research, Plant Analysis--Methods and Interpretation of Results, Biological Methods of Determining Nutrients in Soils, and Visual Symptoms of Malnutrition in Plants.

FARMING AND DEMOCRACY, by A. W. Griswold. Harcourt, Brace, 1948. 227p. 281 G88.

This book questions one of the sturdiest dogmas of the American political faith--the belief that the independent farmer tilling his own land is "the backbone of democracy." The subject is developed through a consideration of the Jeffersonian ideal, the British experience, the French contrast, and the American policy.

PLANT ECOLOGY, by W. B. McDougall. Lea & Febiger, 1949. 4th ed. 234p. 463.8 M142

Though fundamental thinking on ecology has not changed to any great extent, according to the introduction to this book, it was necessary to make some changes in every chapter of this edition in order to bring the facts up to date and in line with our present knowledge of the subject. The order of presentation found acceptable in former editions has been retained. First are chapters on the ecology of roots, stems, and leaves, then chapters on symbiosis followed by sections on physical factors, plant communities, and plant succession. The last chapter is on applied ecology.

SELECTED BOOKS AND BULLETINS

Agricultural Economics

"Costs and Returns on Family-Type Sugar Cane Farms in Louisiana, 1946 and 1947,"  
by J.P. Gaines and J. N. Efferson. La. Agr. Expt. Sta. Bul. 438. Mar. 1949.  
43p. 100 L93 438

FARM MANAGEMENT, by J. D. Black and others. Macmillan, 1947. 1073p. 281.12  
B56F

To provide a method of analysis that a farmer can apply to a situation of his  
own that will indicate the best course for him to follow.

"Forecasting the Price of Corn on the Basis of Current Crop Reports," by E. T.  
Hadorn. Mo. Agr. Expt. Sta. Res. Bul. 431. Feb. 1949. 31p. 100 M693

"Price Programs of the United States Department of Agriculture, 1949," compiled  
by H. W. Henderson. USDA Misc. Pub. 683. Mar. 1949. 62p. 1 Ag84M 683

Agricultural Engineering

"Artificial Drying of Combined Rice," by Xzin McNeal. Ark. Agr. Expt. Sta. Bul.  
487. June 1949. 30p. 100 Ar42 487

"Construction of Farm Fish Ponds," by J. M. Lawrence. Ala. Agr. Expt. Sta. Cir.  
95. June 1949. 55p. 100 AL1C

FARM TRACTOR MAINTENANCE, by I. G. Morrison. Interstate, 1946. 202p. 58 1B3 F  
A well illustrated, practical book.

IRRIGATION ENGINEERING, by A. P. Davis and H. M. Wilson. Wiley, 1919. 640p.  
55 D292I 7th edition

"Land Drainage," by W. W. Weir. Calif. Agr. Expt. Sta. Cir. 391. Apr. 1949.  
24p. 100 C12S 391

Agronomy

FIELD CROPS, by H. C. Rather. McGraw-Hill, 1942. 454p. 64 R132  
Deals with the theory and practice of crop production and management of the  
land.

"Influence of Fertilizers on Growth Rates, Fruiting Habits, and Fiber Characters  
of Cotton," by D.R. Hooton and others. USDA Tech. Bul. 979. Mar. 1949.  
29p. 1 Ag84Te 979

"Kentucky Bluegrass." Ohio Agr. Expt. Sta. Res. Bul. 681. July 1949. 39p.  
100 Oh3R 681

"Native Legumes in Region 8," by L. H. Goodding. Albuquerque, N. Mex., Soil  
Conservation Service, Reg. Bul. 55. 1939. 47p. 1.9608 R26 55

"The S-100 Soybean," by C. V. Feaster. Mo. Agr. Expt. Sta. Bul. 521. Jan.  
1949. 7p. 100 M693 521

SOYBEANS, GOLD FROM THE SOIL, by E. J. Dies. Macmillan, 1943. Revised edition.  
122p. 60.3 D563

Agricultural Reports

"Better Living On Louisiana Farms." 1948 report, La. A r. Ext. Service.  
44p. 275.29 L93

"Better Rural Living." 1948 annural report, N. C. Agr. Ex. Service. 275.29 N



- "1948 Annual Report." Ga. Agr. Ext. Service. 27p. 275.29 G29
- "Research for the Farmer." Annual report, Mo. Agr. Ext. Sta, 1946-1947. Apr. 1949. Bul. 524. 55p. 100 M693
- "Research in Agriculture." Annual report, 1947-48, La. Agr. Expt. Sta. 160p. 100 L93
- "Report for 1947." Rothamsted Experimental Station, Harpenden, England. 131p. 103 R74Ga

#### Bees

- BEEKEEPING AS A HOBBY, by K. Onstott. Harper, 1941. 137p. 424 On7 Ed.2
- "Beekeeping in Kentucky," by W. A. Price. Ky. Agr. Col. Ext. Ser. Cir. 288. Revised April 1949. 36p. 275.29 K415
- "Diagnosing Bee Diseases in the Apiary," by C. E. Burnside and others. USDA Cir. 392. Revised Jan. 1949. 31p. 1 Ag84C 392
- "The Value of Bees to Agriculture: Abstracts on Pollination Studies of Agricultural Crops," by V. C. Thompson. Ark. Agr. Expt. Sta. Mimeo. Series No. 1. June 1949. 26p. 100 Ar42M

#### Feeds and Feeding

- "Comparison of Methods of Supplying Phosphorus to Range Cattle," by W. H. Black and others. USDA Tech. Bul. 981. July 1949. 22p. 1 Ag84Te
- "A Hemorrhagic Factor in Moldy Lespedeza Hay," by M. E. Muhrer and R. F. Gentry. Mo. Agr. Expt. Sta. Res. Bul. 429. Dec. 1948. 11p. 100 M693R 429
- "Milk-Production Value of a Concentrate Mixture Composed Entirely of Southern Agricultural Byproducts," by E. W. Faires and others. USDA Cir. 811. July 1949. 10p. 1 Ag84C 811
- PRINCIPLES OF FEEDING FARM ANIMALS, by S. Bull and W. E. Carroll. Interstate, 1946. 395p. 389.7 B87 1946

#### Forestry

- "A Comparison of the Pine-Oak Rusts," by G. G. Hedgecock and P. V. Siggers. USDA Tech. Bul. 978. May 1949. 30p. 1 Ag84Te
- "Forest Farming and Rural Employment: A Study of Two Areas in Northern Wisconsin and Southwestern Arkansas," by C. H. Stoddard. The Charles Lathrop Pack Foundation, 1949. 29p. 99.55 St6F
- FORESTRY IN FARM MANAGEMENT, by R. H. Westveld and R. H. Peck. Wiley, 1941. 339p. 99.55 W52
- HOW TO BE A FOREST RANGER: CAREERS IN CONSERVATION, by E. M. Steele. McBride, 1943. 215p. 99.61 St3

#### Horticulture

- THE CACTUS BOOK, by A.D. Houghton. Macmillan, 1931. 147p. 97 H81
- "Citrus Propagation," by A. F. Camp. Fla. Agr. Col. Ext. Ser. Bul. 139. Mar. 1949. 51p. 275.29 F66
- "Effect of Fertilizers upon the Yield, Size, and Grade of Tomatoes," by W. R. Cowley and others. Tex. Agr. Expt. Sta. Progress Report 1173. 3p. 100 T31P 1173

"Handling and Shipping Southern-Grown Tomato Plants," by E. V. Miller and others.  
USDA Cir. 805. 26p. Apr. 1949. 1 Ag84C 805

HERBS: THEIR CULTURE AND USES, by R. E. Clarkson. Macmillan, 1944. 226p.  
97.21 C56H

SOUTHERN HORTICULTURE, by H.P. Stuckey. Smith, 1944. 688p. 90 St92

#### Insects

APPLIED ENTOMOLOGY: AN INTRODUCTORY TEXTBOOK OF INSECTS IN THEIR RELATIONS TO  
MAN, by H. T. Fernald and H.H. Shepard. McGraw-Hill, 1942. 400p. 423 F39A

"Chinch Bug Control In Lawns," by J. C. Schread. Conn. Agr. Expt. Sta. Cir.  
1 62. May 1949. 6p. 100 C76C 168

"Control of Cotton Insects in the El Paso and Pecos Areas of Texas," by L. W.  
Noble and W.L. Lowry. Tex. Agr. Expt. Sta. Progress Report 1167. 3p.  
100 T31P 1167

"Control of Onion Thrips in the Lower Rio Grande Valley," by G.P. Wene and H. S.  
Mayeux. Tex. Agr. Expt. Sta. Progress Report 1176. 3p. 100 T31P 1176

"Control of Vegetable Aphids in the Lower Rio Grande Valley," by G.P. Wene.  
Tex. Agr. Expt. Sta. Progress Report 1174. 3p. 100 T31P 1174

INSECTS AND HUMAN WELFARE, by C. T. Brues. Harvard Univ. Press, 1947. 154p.  
423 B832

Sub-title: An account of the more important relations of insects to the  
health of man, to agriculture, and to forestry.

MANUAL OF TREE AND SHRUB INSECTS, by E. P. Felt. Macmillan, 1930. 382p.  
423 F34M

#### Livestock

THE COMPLETE RANCHER, by R. H. Bennett. Rinehart, 1946. 246p. 43 B43

"Dairy Cattle Breeds," by A. B. Nystrom. USDA Farmers' Bul. 1443. Revised  
Jan. 1949. 32p. 1 Ag84F 1443

"Environmental Physiology With Special Reference to Domestic Animals: III.  
Influence of Ambient Temperature, 50° to 100° F., on the Blood Composition  
of Jersey and Holstein Cows." Mo. Agr. Expt. Sta. Res. Bul. 433. Mar. 1949.  
37p. 100 M693 433

"Experiments on the Combined Use of Crystal-Violet Vaccine and Anti-Hog-Cholera  
Serum in the Prevention of Hog Cholera," by C. G. Cole and R. R. Henley.  
USDA Cir. 807. Apr. 1949. 12p. 1 Ag84C

"The Growth of Dairy Heifers Raised Chiefly on Roughages," by O. T. Stallcup  
and others. Mo. Agr. Expt. Sta. Bul. 523. Mar. 1949. 12p. 100 M693

"Livestock and Meat." FAO Commodity Series No. 12. May 1949. 97p. 389.9  
F735Cs 12

LIVESTOCK PRODUCTION, by W. H. Peters. McGraw-Hill, 1942. 450p. 40 P44

"Producing Early Lambs in Georgia." Ga. Agr. Col. Ext. Ser. Cir. 336. 1949.  
275.29 G29C

"Producing Fat Calves." Ga. Agr. Col. Ext. Ser. Cir. 321. 275.29 G29C

"Raising Dairy Calves and Heifers," by K. L. Turk and J. D. Burke. Cornell  
Ext. Bul. 761. May 1949. 36p. 275.29 M48S

THE WESTERN HORSE: ITS TYPES AND TRAINING, by J. A. Gorman. 1944. 3 65p. 42 G68



Pastures

- "An All-Year Pasture System For Missouri," by W. C. Ethridge and others. Mo. Agr. Expt. Sta. Cir. 335. Feb. 1949. 11p. 100 M693C 335
- GRASSLAND HUSBANDRY, by H. I. Moore. Norton, 1943. 112p. 60.1 M78
- GROWING PASTURES IN THE SOUTH, by J. F. Combs. Univ. of North Carolina Press, 1936. 270p. 60.1 C73
- "Pasture Improvement for Arkansas Uplands," by M. A. Sprague and others. Ark. Agr. Expt. Sta. Bul. 485. May 1949. 50p. 100 Ar42
- "Regeneration of Native Midwestern Pastures Under Protection," by J. E. Weaver and W. W. Hansen. Nebraska Conservation Bul. 23. 1941. 91p. 60.1 N272

Soils and Soil Conservation

- "Are You Growing Gullies or Trees?" Ga. Agr. Col. Ext. Ser. Bul. 487. Revised June 1949. 14p. 275.29 G29B
- "Evaluating Annual Changes in Soil Productivity," by A. W. Klemme and O. T. Coleman. Mo. Agr. Expt. Sta. Bul. 522. Jan. 1949. 32p. 100 M693 522
- "A Lysimeter Investigation of Nitrogen Gains and Losses Under Various Systems of Covercropping and Fertilization, and A Discussion of Error Sources," by H. D. Chapman, G. F. Liebig, and D. S. Rayner. Calif. Agr. Expt. Sta. Hilgardia, April 1949. 100 C12H
- "Normalcy Tests of Precipitation and Frequency Studies of Runoff on Small Watersheds," by W. D. Potter. USDA Tech. Bul. 985. June 1949. 24p. 1 Ag84Tc
- "Our Land and Its Care." Amer. Plant Food Council, Inc. 1948. 64p.
- "The Road to Conservation," by W. R. Cross. Photoprint from Antioch Review, Winter 1948-49.
- "Soil Salinity in Relation to Irrigation," by W. P. Kelley and others. Calif. Agr. Expt. Sta. Hilgardia, Jan. 1949. 100 C12H
- "Studies in Gully Control," by G. W. Hood. Ark. Agr. Expt. Sta. Bul. 486. May 1948. 15p. 100 Ar42 486
- USING AND MANAGING SOILS, by A. F. Gustafson. McGraw-Hill, 1948. 420p. 56.7 G97U

Wildlife

- "The Bobwhite Quail in Arkansas," by W. J. Baerg and L. O. Warren. Ark. Agr. Expt. Sta. Bul. 488. June 1949. 46p. 100 Ar42 488
- "Ecology and Management of the Mourning Dove, Zenaidura macroura (Linn.), in Cass County, Iowa," by H. E. McClure. Iowa Agr. Expt. Sta. Res. Bul. 310. 1943. 100 Ia9 310
- ECONOMIC MAMMALOGY, by J. Henderson and E. L. Craig. Charles C. Thomas, 1932. 397p. 412 H38
- THE PRACTICAL VALUE OF BIRDS, by J. Henderson. Macmillan, 1934. 342p. 413 H382
- "Wheeler, A National Wildlife Refuge." Fish and Wildlife Service, Conservation in Action Series, No. 7. 1949. 13p.
- WILDFOWL FOOD PLANTS: THEIR VALUE, PROPAGATION, AND MANAGEMENT, by W. L. McAtee. Collegiate Press, 1939. 141p. 413 M11w

Miscellaneous

- ANIMAL AGGREGATIONS: A STUDY IN GENERAL SOCIOLOGY, by W. C. Allee. Univ. of Chicago Press, 1931. 431p. 442 AL5
- "Better Utilization of Milk." FAO Agricultural Studies No.7. Mar. 1949. 76p. 28 F73
- "The Coniferous Windbreak Spacing Test at the Big Spring Station," by F. E. Keating. Tex. Agr. Expt. Sta. Progress Report 1177. 1949. 3p. 100 T31P
- ECONOMIC CONSEQUENCES OF THE SECOND WORLD WAR, by L. L. Lorwin. Random House, 1941. 510p. 280 L392
- "The Effects of Plant Growth Regulating Substances on Flower Bud Development and Fruit Set," by D. D. Hemphill. Mo. Agr. Expt. Sta. Res. Bul. 434. Feb. 1949. 56p. 100 M693
- "Experiments in Cleaning Soiled Eggs for Storage," by E. M. Funk. Mo. Agr. Expt. Sta. Res. Bul. 426. Dec. 1948. 36p. 100 M693R 426
- EXPLORING TOMORROW'S AGRICULTURE, by J. W. Eaton. Harper, 1943. 255p. 280.2 Ea8  
Sub-title: Co-operative group farming - A practical program of rural rehabilitation.
- "Farm Poultry Raising," by H. R. Bird and A. R. Lee. USDA Farmers' Bul. 1524. Revised Oct. 1948. 29p. 1 Ag84F 1524
- THE FARM PRIMER: A MANUAL FOR THE BEGINNER AND PART-TIME FARMER, by W. M. Teller. McKay, 1942. 270p. 30.3 T23
- FIVE ACRES AND INDEPENDENCE, by M. G. Kains. Greenberg, 1944. 397p. 30 K123  
A practical guide to the selection and management of the small farm.
- GENETICS AND THE ORIGIN OF SPECIES, by T. Dobzhansky. Columbia Univ. Press, 1937. 364p. 443 D65
- GENETICS IN RELATION TO AGRICULTURE, by E. B. Babcock and R. E. Clausen. McGraw-Hill, 1927. 673p. 442 B11
- LIFE AND ENVIRONMENT: THE INTERRELATIONS OF LIVING THINGS, by P. B. Sears. Columbia Univ., 1939. 175p. 280 Scl2L
- THE MANAGERIAL REVOLUTION: WHAT IS HAPPENING IN THE WORLD, by James Burnham. Day, 1941. 285p. 280 B935
- NEW CROPS FOR THE NEW WORLD, by C. M. Wilson, ed. Macmillan, 1945. 295p. 31 W69
- PALESTINE, LAND OF PROMISE, by W. C. Lowdermilk. Harper, 1944. 236p. 280.185 L95
- PLENTY OF PEOPLE, by W. S. Thompson. Jaques Cattell Press, 1944. 246p. 280 T37PL (The problem of population growth in the world.)
- "Results of Preliminary Tests of Pelletized Crested Wheatgrass Seed," by E. W. Stevenson. Pacific Northwest Forest and Range Expt. Sta. Research Note 53. 1949. 7p. 1.9 F7629Fr 53
- ROOT NODULE BACTERIA AND LEGUMINOUS PLANTS, by E. B. Fred and others. Univ. of Wis. Studies in Science, No. 5. 1932. 343p. 57.52 F872
- "Rural Community Organization, A List of References," compiled by R. C. Watrous and J. M. McNell. USDA Library List No. 46. May 1949. 51p. 1.916 L612





